

ADDENDUM NUMBER 1

CRIMINAL JUSTICE FACILITY
COOLING TOWER REPLACEMENT
Site #240, Bldg. #76
949 North 9th Street
Milwaukee, WI 53233

Project Number: C103-13645

Notice Number: 6955

Date of Addendum: August 28, 2014

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated August 11, 2014, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

DRAWINGS

M001.

DELETE Section 26 00 00 Electrical Specifications and refer to the book specifications.
DELETE Cooling Tower Schedule and insert in its place Attachment drawing M001A.
INSERT the following new Note to M001: "CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING PERMITS FROM THE CITY OF MILWAUKEE TO SHUT DOWN STREETS AND LIFT ALL EQUIPMENT INTO PLACE."

M002.

DELETE Partial Cooling Tower and insert in its place Attachment drawing M002A
INSERT Detail 2 WIRING TO COOLING TOWER from Attachment drawing M002A
INSERT Detail 3 INTERIOR PULL BOX LOCATION LOOKING WEST from Attachment drawing M002B
INSERT Detail 4 EXISTING BOX UNDER TOWER from Attachment drawing M002C

M003.

INSERT Details 1, 2 & 3 from Attachment drawing M003A
DELETE Partial Roof Mechanical New Work Plan and insert in its place Attachment drawing M003B
INSERT Detail 2 WIRING TO COOLING TOWER from Attachment drawing M002A
INSERT Detail 3 INTERIOR PULL BOX LOCATION LOOKING WEST from Attachment drawing M002B
INSERT Detail 4 EXISTING BOX UNDER TOWER from Attachment drawing M002C
INSERT a new note on M003 as follows: "A STAINLESS STEEL CAP OVER THE TOP FLANGE OF STEEL SUPPORT WILL BE ACCEPTABLE IN LIEU OF PAINTING THAT PART OF THE FRAME."

End of Addendum No. 1

COOLING TOWER SCHEDULE

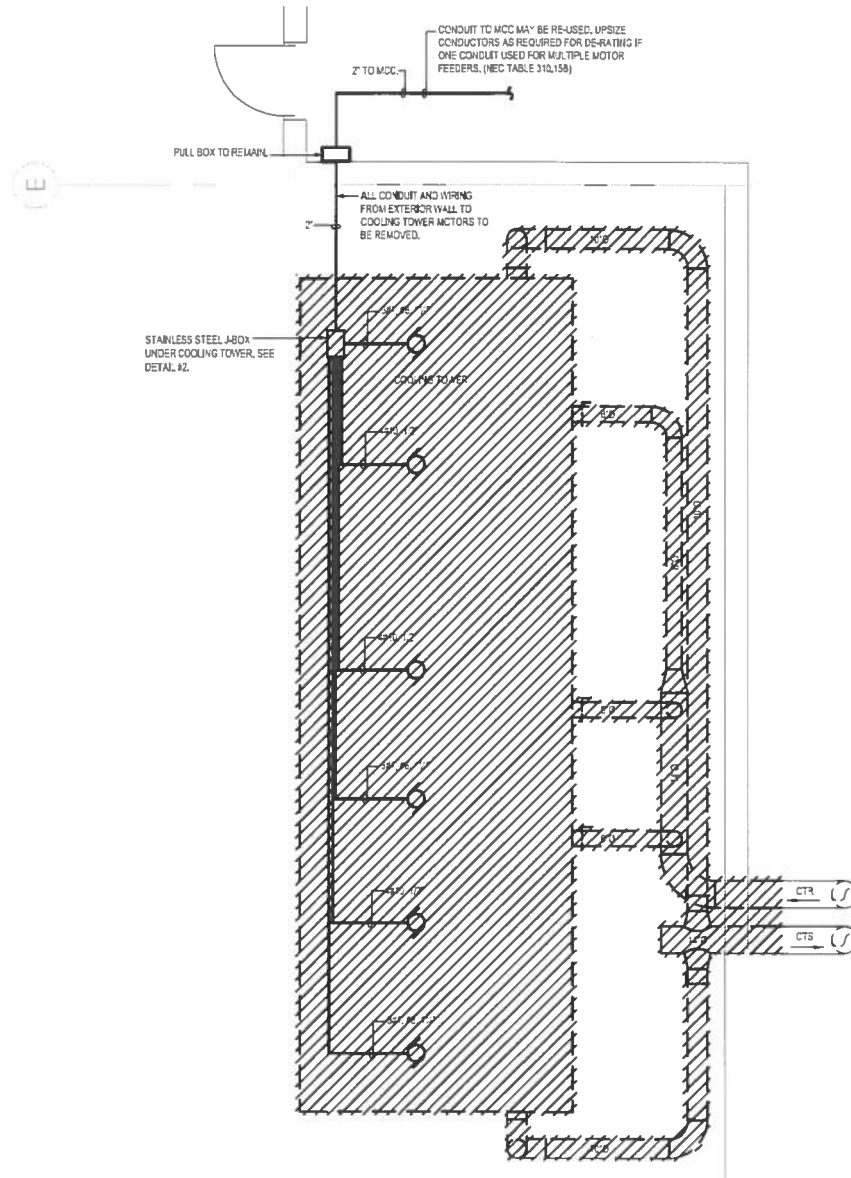
COOLING TOWER SCHEDULE																									
PLAN MARK CT.	MANUFACTURER	MODEL	BASINS	CASINGS	OPERATING WEIGHT	NOMINAL TONS	GPM		AMBIENT		E.W.T. TEMP. (°F)	L.W.T. (°F)	MOTOR		STARTER DESCRIPTION					COVER MODIFICATION					
							FULL FLOW	MINIMUM FLOW	W.B.	F.			HP	CFM	FURN. BY	INST. BY	LOCATION	TYPE	HEMA RATING	COMB.	BLANK	S.S.P.B.	I.O.A.	P.L.	
1	EVAPCO	AT-312-336	3	5	42000	1440	3085	1000	78	99	85		(3)20	265K	M.C.	E.C.	INSIDE	(3)VPD	1	•	-	-	•	•	

H1. PROVIDE 60 AMP FUSES IN EACH OF 3 DISCONNECTS
H2. PROVIDE GLYCOL HEATING COIL IN MIDDLE BASIN AND CONNECT INTO EXISTING SYSTEM. PROVIDE ALTERNATE BID FOR 2 ADDITIONAL GLYCOL HEATERS.
H3. ALTERNATE BID. PROVIDE (2) 8KW ELECTRIC IMMERSION HEATER IN BASIN FOR NORTH AND (2) FOR THE SOUTH BASIN. MECHANICAL CONTRACTOR SHALL PROVIDE COMB. MAG CONTACTOR & FUSED DISCONNECT FOR EACH HEATER. THERMOSTAT & LOW WATER CUTOUT BY FACTORY. ED SHALL WIRE.
E1. EXISTING MOTOR CONTROL PANEL IN PENTHOUSE

CMT#	TRIP	ELECTRICAL DATA																	EMERGENCY POWER (YES/NO)	HARDWARE INTERLOCK WITH PLANT MARK NO.	COMMENTS
		VOLTS/ PHASE	SCCR (KAC)	HP		AMPS		FED FROM		FUSE		BR WIRING			DISCONNECT SWITCH						
				MCA	MOCP	PNL	NO	SIZE	NO	SIZE	COND	FURN BY	INST. BY	FUSES							
120	CONT. TRIP (CAVITOP)	480V	65	(3)20	(3)77.5	(3)60	MCC	N/A	(3)60	3	8	10	3/4	M.C.	E.C.	YES	NO	EXISTING	CHILLER	M1 H2 H3, E1	

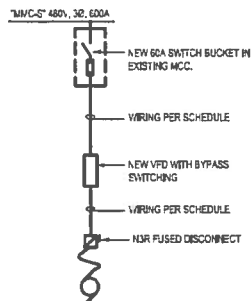
ADDENDUM 01





1 PARTIAL ROOF MECHANICAL DEMOLITION PLAN

1/8" = 1' - 0"



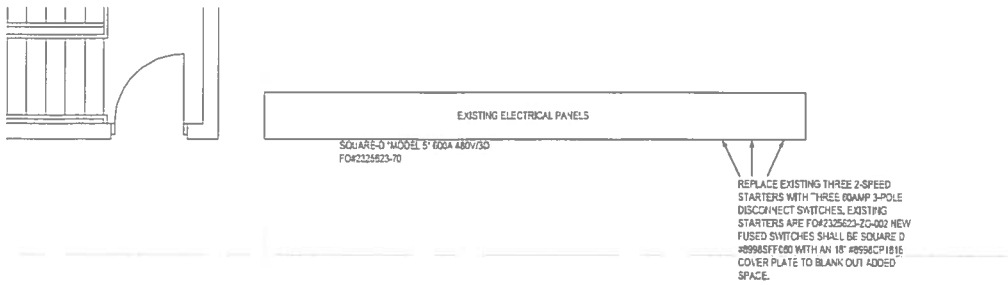
2 WIRING TO COOLING TOWER (TYP.-2)

NO SCALE

- NOTES:**
1. PROVIDE SEALTITE FLEXIBLE CONNECTION TO COOLING TOWER.
 2. DO NOT RE-USE ANY EXISTING SEALTITE CONDUIT.

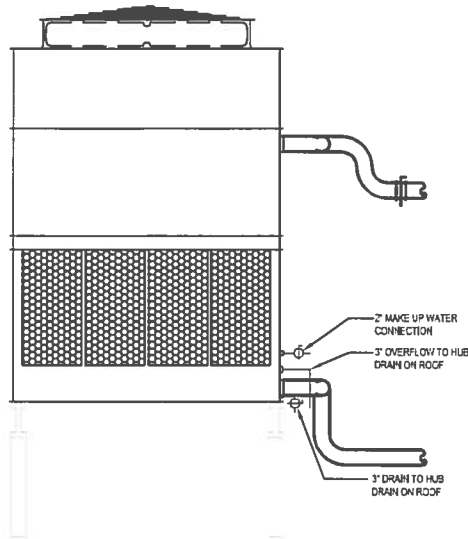
ADDENDUM 01





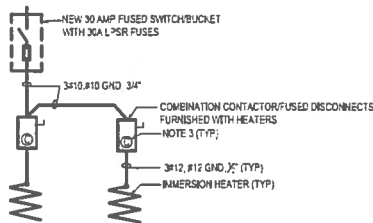
1 PARTIAL ROOF MECHANICAL NEW WORK PLAN

1/8" = 1' - 0"



2 COOLING TOWER

1/8" = 1' - 0"



3 IMMERSION HEATER WIRING DIAGRAM (ALTERNATE BID)

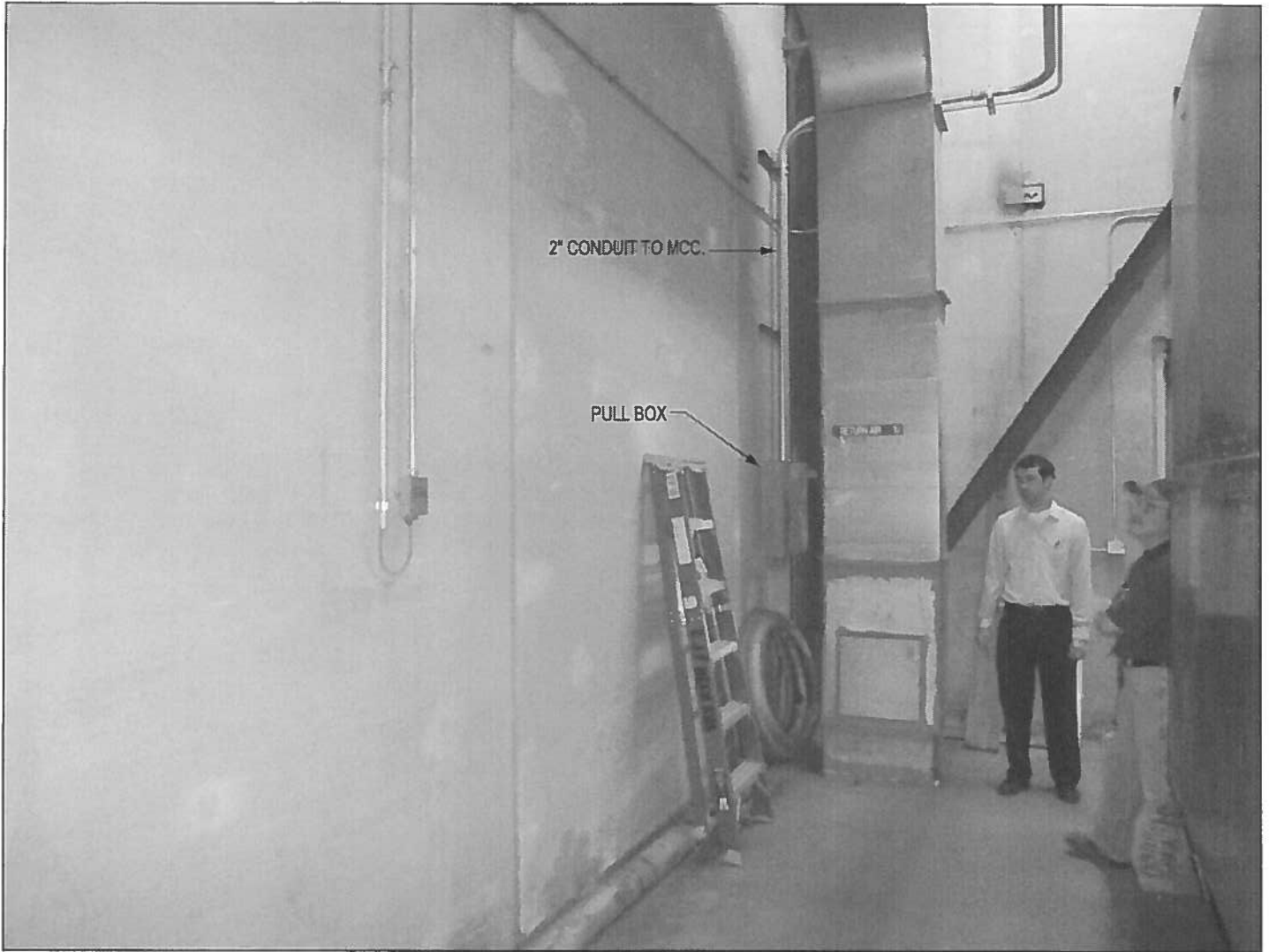
NO SCALE

NOTES

1. PROVIDE A ESALITE FLEX CONNECTION TO ALL TOWER MOUNTED EQUIPMENT.
2. PROVIDE NEW WALL PENETRATION FOR CONDUIT & PROPERLY SEAL.
3. EACH HEATER COIL TO BE CONTROLLED BY A LOWER WATER SWITCH, THERMOSTAT AND A LOCAL SWITCH DISCONNECT ALL WIRED IN SERIES. PROVIDE AND INSTALL FUSE, CONTROL TRANSFORMER, TOGGLE SWITCH AND ALL CONTROL WIRING FOR HEATER CONTROL AS REQUIRED IN HEATER INSTALLATION GUIDELINES. COORDINATE CONTROL TRANSFORMER VOLTAGE WITH CONTACTOR COIL VOLTAGE.
4. CONTROL TRANSFORMERS TO BE 480 VOLT PRIMARY AND TAPPED FROM LINE SIDE OF CONTACTORS.

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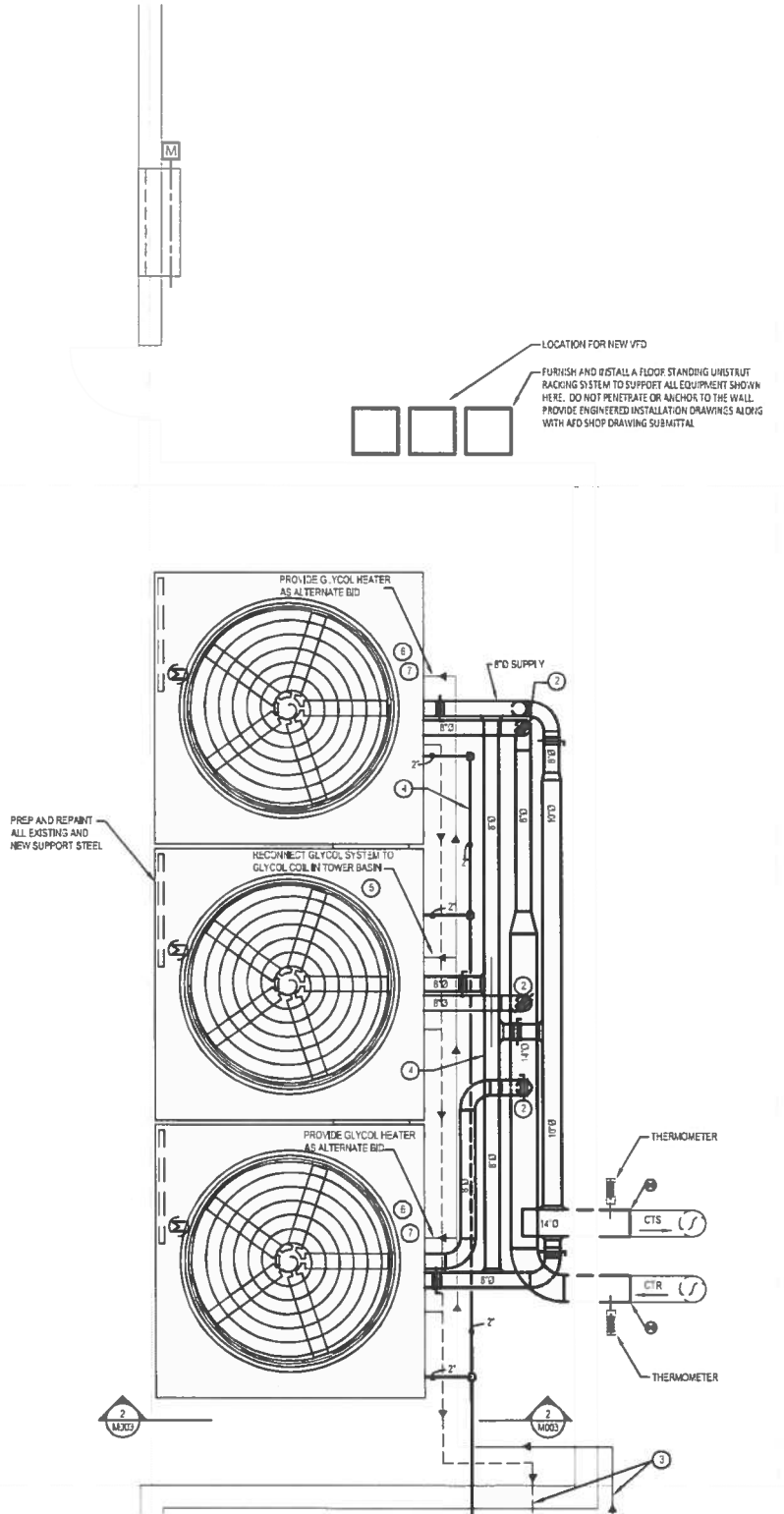
3 INTERIOR PULL BOX LOCATION (LOOKING WEST)
NO SCALE

ADDENDUM 01



NOTES:

- 1 BALL VALVE IN VERTICAL
- 2 BUTTERFLY VALVE IN VERTICAL
- 3 PROVIDE NEW GLYCOL PIPING FROM EXISTING GLYCOL SYSTEM
- 4 8" BASIN EQUALIZER LINE
- 5 BASE BID: PROVIDE CENTER BASINS WITH GLYCOL COIL HEATER
- 6 ALTERNATE BID: PROVIDE GLYCOL COIL IN NORTH & IN SOUTH BASIN
- 7 ALTERNATE BID: PROVIDE ELECTRICAL IMMERSION HEATERS IN SOUTH & NORTH BASINS



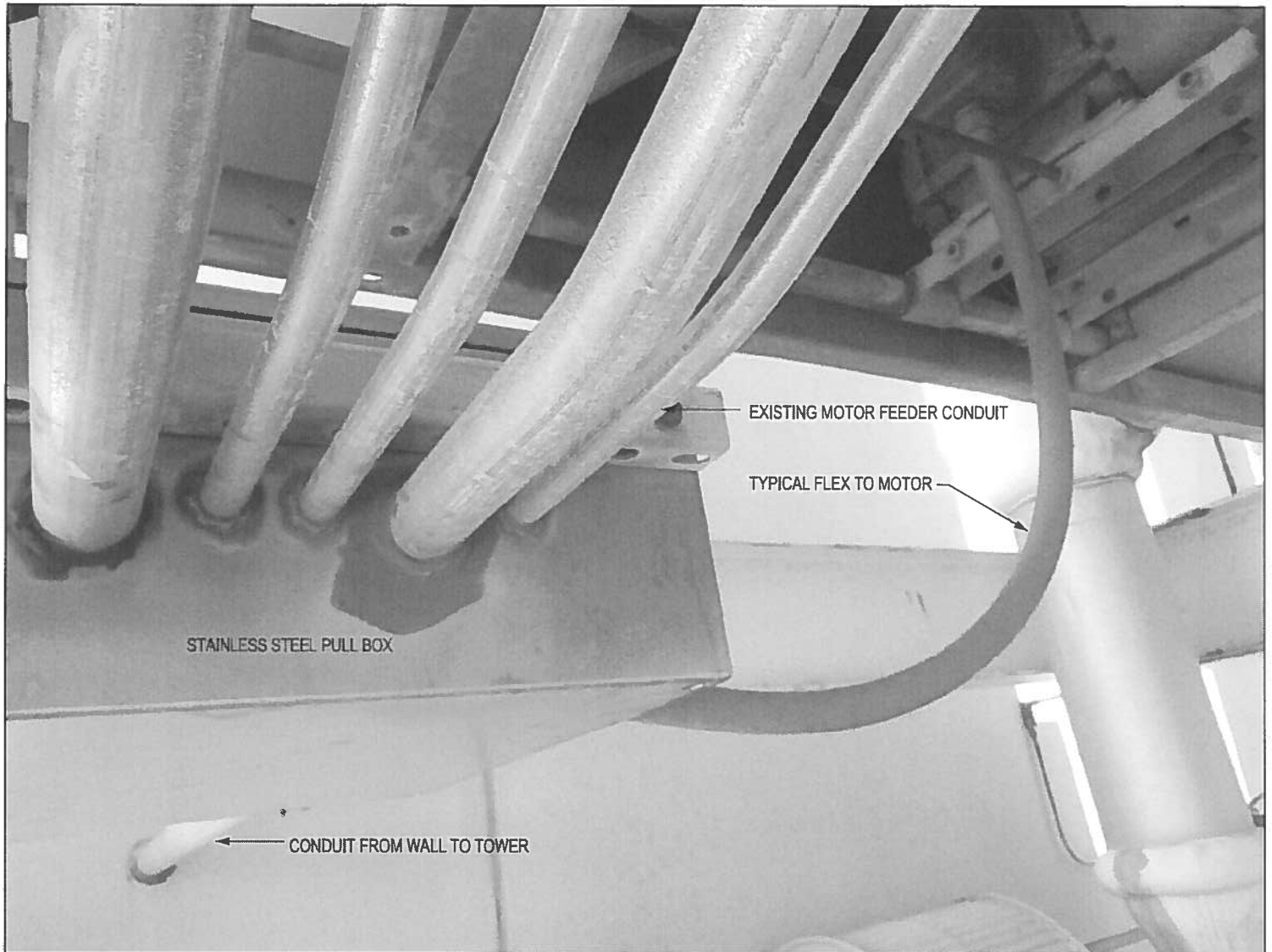
1

PARTIAL ROOF MECHANICAL NEW WORK PLAN

1/8" = 1' - 0"

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4

EXISTING BOX UNDER TOWER

NO SCALE

ADDENDUM 01

